

New Addition List March 2020

APPLIED MECHANICS

BU/AM

1. Verma, Mahendra K.

Introduction to mechanics / by Mahendra K. Verma. - Boca Raton: CRC Press, 2018. xiv, 341p.
ISBN : 9780367414085. : Rs.3395.00 (Each copy).

** 1. Mechanics.I. Title

531 VER-I

174036, 174037;AM

BU/AM

2. Vardoulakis, Ioannis

Cosserat continuum mechanics: with applications to granular media / by Ioannis Vardoulakis. - Cham: Springer, 2019. ix, 179(Lecture notes in applied and computational mechanics, 87).
ISBN : 9783319951553. : Rs.4810.00 (Each copy).

**1. Continuum mechanics 2. Amorphous substances 3. Complex fluids 4. Engineering 5. Hydraulics.I. Title II. Series

531.1 VAR-C

173928, 173929;AM

BU/AM

3. O'Reilly, Oliver M.

Engineering dynamics: a primer / by Oliver M. O'Reilly. - 3rd ed. - Cham: Springer, 2019. xviii, 299.
ISBN : 9783030117443. : Rs.3604.09.

** 1. Dynamics 2. Mechanics 3. Mathematics 4. Mechanics, Applied.I. Title

531.3 ORE-E

173895

BU/AM

4. Fang, Chung

Introduction to fluid mechanics / by Chung Fang. - Cham: Springer, 2019. xix, 643(Springer textbooks in earth sciences, geography and environment).
ISBN : 9783319918204. : Rs.7215.40; Rs.7712.14.

**1. Fluid mechanics 2. Hydraulic engineering.I. Title II. Series

532 FAN-I

173876, 174226;AM

BU/AM

5. Podgorska, Wioletta

Multiphase particulate systems in turbulent flows: fluid-liquid and solid-liquid dispersions / by Wioletta Podgorska. - New York: CRC Press, 2020. xvii, 482.
ISBN : 9781482235685. : Rs.16879.74.

**1. Turbulence 2. Granular flow.I. Title

532.517.4 POD-M

173888

BU/AM

6. Chandrasekhar, Prasanna

Conducting polymers, fundamentals and applications: including carbon nanotubes and graphene / by Prasanna Chandrasekhar. - 2nd ed.. - New Jersey: Springer, 2018. xxix, 810p.

ISBN : 9783319693767. : Rs.8739.62.

** 1. Photonics - Materials 2. Conducting polymers 3. Materials science 4. Materials testing.I. Title

620.1:546.26 CHA-C **173941**

BU/AM

7. Mikhasev, Gennadi I.

Thin-walled laminated structures: buckling, vibrations and their suppression / by Gennadi I Mikhasev and Holm Altenbach. - Switzerland: Springer, 2019. x,280(Advanced structured materials).

ISBN : 9783030127596. : Rs.11224.40.

**1. Thin-walled structures 2. Laminated materials.I. Altenbach, Holm II. Title III. Series

624.073.8 MIK-T **173897**

BU/AM

8. Birk, Lothar

Fundamentals of ship hydrodynamics: fluid mechanics, ship resistance and propulsion / by Lothar Birk. - Hoboken: John Wiley, 2019. xxxvii, 661.

ISBN : 9781118855485. : Rs.9747.00.

**1. Ships - Hydrodynamics.I. Title

629.5.015.2 BIR-F **173896**

BIOCHEMICAL ENGINEERING & BIOTECHNOLOGY**BU/BEB**

9. Wright, Margaret Robson

Introduction to aqueous electrolyte solutions / by Margaret Robson Wright. - Chichester: John Wiley, 2007. xxviii, 574.

ISBN : 9780470842942. : Rs.6836.21.

**1. Solution - Chemistry 2. Chemical equilibrium 3. Electrolyte solutions.I. Title

544.341 WRI-I **173955**

BU/BEB

10. Barton, Larry L.

Microbial ecology / by Larry L. Barton and Dianna E. Northup. - Hoboken: John Wiley, 2011. xxv, 407.

ISBN : 9780470048177. : Rs.8461.33.

**1. Microorganisms - Environmental aspects 2. Microbiology.I. Northup, Diana E. II. Title

579.26 BAR-M **173919**

BU/BEB

11. Metcalf & Eddy, Inc.

Wastewater engineering: treatment and reuse / by Metcalf & Eddy, Inc.; revised by George Tchobanoglous, Franklin L. Burton and H. David Stensel. - 4th ed. - Chennai: Tata McGraw Hill, 2003. xxviii, 1819(McGraw-Hill series in civil and environmental engineering).

ISBN : 9780070495395. : Rs.1680.00.

**1. Water reuse 2. Sewage disposal 3. Sewage - Purification.I. Tchobanoglous, George II. Burton, Franklin L. III. Stensel, H. David IV. Title V. Series

628.3 -WAS

173912

BU/BEB

12. Perry's chemical engineers' handbook / edited by Don W. Green and Marylee Z. Southard. - 9th ed. - New York: Mc Graw Hill, 2019.

xvi, 25-40.

ISBN : 9780071834087. : Rs.8682.00 (Each copy).

** 1. Chemical engineering - Handbooks, manuals etc.I. Green, Don W., Ed. II. Southard, Marylee Z., Ed. III. Title

RL-HB 66.0(021) -PER

173917, 173918;BEB

BOOK BANK**BU/BB**

13. Raghavan, V.

Materials science and engineering: a first course. - 6th ed. - Delhi: Prentice Hall of India, 2015. xvii, 463.

ISBN : 9788120350922. : 350.00 (Each copy).

** 1. Materials science 2. Engineering 3. Materials.I. Title

620.1 RAG-M

BB76487 - BB76491

BU/BB

14. Ghosh, Amitabha

Theory of mechanisms and machines / by Amitabha Ghosh and Asok Kumar Mallik. - 3rd ed. - New Delhi: Affiliated East-West Press, 1998. vii, 630p.

ISBN : 9788185938936. : Rs.350.00 (Each copy).

** 1. Machinery 2. Mechanical engineering 3. Machine design.I. Mallik, Asok Kumar II. Title

621 GHO-T

BB76492 - BB76496

CENTRAL LIBRARY**BU/CL**

15. Ross, Kenneth A.

Elementary analysis: the theory of calculus / by Kenneth A. Ross and Jorge M. Lopez. - 2nd ed. - New York: Springer, 2013. xi, 409(Undergraduate texts in mathematics).

ISBN : 9781461462705; 9781493901289. : Rs.3562.76 (Each copy).

**1. Calculus 2. Global analysis - Mathematics 3. Mathematics.I. Lopez, Jorge M. II. Title III. Series

517 ROS-E

174135 - 174136, 174137;TB - 174139;TB

BU/CL

16. Thomas, George B.

Calculus and analytic geometry / by George B. Thomas and Ross L. Finney. - 9th ed. -
Noida: Pearson, 1996. v.p.
ISBN : 9788177583250. : Rs.929.00 (Each copy).

** 1. Calculus 2. Geometry, Analytic.I. Finney, Ross L. II. Title
517 THO-C 174067;TB - 174071;TB

BU/CL

17. Zee, A.

Quantum field theory in a nutshell / by A. Zee. - 2nd ed. - Kolkata: Princeton University
Press, 2012. xxvi, 576.
ISBN : 9789380663425. : Rs.895.00 (Each copy).

**1. Quantum theory 2. Quantum field theory 3. Physics.I. Title
530.145 ZEE-Q 173871;TB - 173873;TB

BU/CL

18. Raghavan, V.

Materials science and engineering: a first course / by V. Raghavan. - 6th ed. - Delhi:
Prentice Hall of India, 2015. xvii, 463.
ISBN : 9788120350922. : Rs.350.00.

** 1. Materials science 2. Materials 3. Engineering.I. Title
620.1 RAG-M 174072;TB - 174076;TB

BU/CL

19. Miller, Bradley N.

Problem solving with algorithms and data structures using Python / by Bradley N. Miller
and David L. Ranum. - 2nd ed. - Washington: Franklin, Beedle & Associates, 2011. xii,
425.
ISBN : 9781590282571. : Rs.3246.75 (Each copy).

**1. Python - Computer program language 2. Computer algorithms 3. Data structures -
Computer science.I. Ranum, David L. II. Title
681.3.06P MIL-P 174009;TB - 174011;TB

CENTRE FOR APPLIED RESEARCH IN ELECTRONICS**BU/CARE**

20. Bonaguide, Gregory

VNA applications handbook / by Gregory Bonaguide and Neil Jarvis. - Norwood: Artech
House, 2019. xiv, 375p.(Artech House microwave library).
ISBN : 9781630816001. : Rs.13181.37.

**1. Phase modulation - Handbooks, manuals etc. 2. Frequency response - Electrical
engineering - Handbooks, manuals etc.I. Jarvis, Neil II. Title III. Series
RL-HB 621.376.4(021) BON-V 173940

BU/CARE

21. Thyagarajan, K.S.

Introduction to digital signal processing using MATLAB with application to digital communications / by K.S. Thyagarajan. - Switzerland: Springer, 2019. xi, 505p.
ISBN : 9783319760285. : Rs.4439.89.

**1. Signal processing - Digital techniques 2. MATLAB 3. Electrical engineering 4. Computer networks.I. Title

621.391:681.3.06M THY-I 173936

CENTRE FOR ATMOSPHERIC SCIENCES**BU/CAS**

22. Bridging science and policy implication for managing climate extremes / edited by Hong-Sang Jung and Bin Wang. - Singapore: World Scientific, 2018.

viii,220(World scientific series on Asia-pacific weather and climate, 10).

ISBN : 9789813235656. : Rs.8513.70.

** 1. Climatic extremes 2. Natural disasters 3. Weather forecasting 4. Pacific area 5. Climatic changes - Risk management.I. Jung, Hong-Sang, Ed. II. Wang, Bin, Ed. III. Title IV. Series

551.58 -BRI 174038

BU/CAS

23. Climate change: multidecadal and beyond / edited by Chih-Pei Chang...(et. al). - Singapore: World Scientific, 2016.

ix, 376p.(World Scientific series on Asia-pacific weather and climate, 6).

ISBN : 9789814579926. : Rs.8513.70.

**1. Climatic changes 2. Global warming.I. Chang, Chih-Pei, Ed. II. Title III. Series

551.583 -CLI 174040

BU/CAS

24. Singer, Merrill

Climate change and social inequality: the health and social costs of global warming / by Merrill Singer. - London: Routledge, 2019. vi, 247p.(Routledge advances in climate change research).

ISBN : 9781138102910. : Rs.3088.19.

** 1. Environmental justice 2. Global warming - Health aspects 3. Global warming - Social aspects.I. Title II. Series

551.583:316.32 SIN-C 174039

BU/CAS

25. Cooper, C. David

Air pollution control: a design approach. - 4th ed. - New Delhi: Medtech, 2015. xvi, 839.

ISBN : 9789384007522. : Rs.4495.00.

**1. Pollution control 2. Pollution - Environment 3. Air pollution.I. Alley, F. C. II. Title

628.52 COO-A 173892

BU/CAS

26. Hall, Anthony E.

Crop responses to environment: adapting to global climate change / by Anthony E. Hall.
- 2nd ed.. - Boca Raton: CRC Press, 2018. xix, 256p.
ISBN : 9781138506381. : Rs.7568.37.

**1. Crops - Ecophysiology 2. Crop Science 3. Climate Change.I. Title
633:551.58 HAL-C 174041

CENTRE FOR ENERGY STUDIES**BU/CES**

27. Stephenson, Michael

Energy and climate change: an introduction to geological controls, interventions and mitigations / by Michael Stephenson. - Amsterdam: Elsevier, 2018. xix, 186p.
ISBN : 9780128120217. : Rs.8303.00.

**1. Power resources - Environmental aspects 2. Climatic changes - Effect of human beings.I. Title
620.92:551.583 STE-E 173879

BU/CES

28. Acevedo, Miguel F.

Introduction to renewable power systems and the environment with R / by Miguel F. Acevedo. - Boca Raton: CRC Press, 2019. xvii, 439.
ISBN : 9781138197343. : Rs.10533.60.

**1. Renewable energy sources 2. Electric power production - Data processing 3. R - Computer program language 4. Energy industries - Environmental aspects.I. Title
621.311.24:681.3.06R ACE-I 173877

BU/CES

29. Bansal, Ramesh

Power system protection in smart grid environment / by Ramesh Bansal. - Boca Raton: CRC Press, 2019. xii,624.
ISBN : 9781138032415. : Rs.14698.65.

**1. Smart power grids 2. Electric power systems - Protection.I. Title
621.316.9 BAN-P 173935

CENTRE FOR RURAL DEVELOPMENT & TECHNOLOGY**BU/CRDT**

30. Sustainable Protein Sources / edited by Sudarshan R. Nadathur, Janitha P. D. Wanasundara and Laurie Scanlin. - London: Elsevier, 2017.
xxi,430.
ISBN : 9780128027783. : Rs.10852.50.

** 1. Proteins in human nutrition 2. Food - Protein content 3. Food supply 4. Protein.I. Nadathur, Sudarshan R., Ed. II. Wanasundara, Janitha P. D., Ed. III. Scanlin, Laurie, Ed. IV. Title
547.96 -SUS 173909

BU/CRDT

31. Agricultural nanobiotechnology: modern agriculture for a sustainable future / edited by Fernando Lopez-Valdez and Fabian Fernandez-Luqueno. - Switzerland: Springer, 2018. xii, 218p. ISBN : 9783319967189. : Rs.6363.20.

**1. Agricultural biotechnology 2. Biotechnology 3. Food science.I. Lopez-Valdez, Fernando, Ed. II. Fernandez-Luqueno, Fabian, Ed. III. Title
63:620.3 -AGR 173986

CHEMICAL ENGINEERING**BU/CHE**

32. Plett, Gregory L.
 Battery management systems / by Gregory L. Plett. - Boston, London: Artech House, 2016. x, 316(Artech House power engineering and power electronics). V.2: Equivalent-circuit methods. ISBN : 9781630810276. : Rs.12353.04.

** 1. Electric batteries 2. Equivalent Electric circuits.I. Title II. Series
621.35 PLE-B 173880;CHE

CHEMISTRY**BU/CHY**

33. Holze, Rudolf
 Experimental electrochemistry: a laboratory textbook / by Rudolf Holze. - 2nd ed. - Weinheim: John Wiley, 2019. xx,268. Completely revised and enlarged edition. ISBN : 978527335244. : Rs.4722.25.

**1. Electrochemistry.I. Title
544.6 HOL-E 174144

BU/CHY

34. Fluorescence imaging and biological quantification / edited by Raquel Seruca, Jasjit S. Suri and Joao M. Sanches. - Boca Raton: CRC Press, 2018. xxix, 327p. ISBN : 9781498737043. : Rs.16595.25.

** 1. Diagnostic imaging 2. Nanotechnology 3. Diagnostic imaging - Digital techniques.I. Seruca, Raquel Seruca, Ed. II. Suri, Jasjit S., Ed. III. Sanches, Jaoa M., Ed. IV. Title
616-073 -FLU 173931

BU/CHY

35. Mitra, Somenath
 Environmental chemical analysis / by Somenath Mitra, Pradyot Patnaik and Barbara B. Kebbekus. - 2nd ed. - Boca Raton: CRC Press, 2019. xxi, 427. ISBN : 9780849338380. : Rs.6637.19.

**1. Environmental chemistry 2. Chemistry - Analytic 3. Pollution - Measurement 4. Environmental sciences.I. Patnaik, Pradyot II. Kebbekus, Barbara B. III. Title
628.52:54 MIT-E 173893

CIVIL ENGINEERING

BU/CE

36. Alter, Benjamin

Environmental consulting fundamentals: investigation, remediation, and brownfields redevelopment / by Benjamin Alter. - 2nd ed.. - Boca Raton: CRC Press, 2020. xxvii, 412p.

ISBN : 9781138613201. : Rs.10297.10.

** 1. Environmental impact analysis 2. Environmental impact consultants.I. Title

502:005.5 ALT-E 173998

BU/CE

37. Estimating in heavy construction: roads, bridges, tunnels, foundations / edited by Dieter Jacob and Clemens Muller. - Berlin: Wiley, 2017.

xxiii,260.

ISBN : 9783433031308. : Rs.5788.00.

**1. Building - Estimates 2. Civil engineering.I. Jacob, Dieter, Ed. II. Muller, Clemens, Ed. III. Title

624:657.478.2 -EST 173944

BU/CE

38. Johnson, Roger P.

Composite Structures of Steel and Concrete: beams, slabs, columns and frames for buildings / by Roger P. Johnson. - 4th ed. - Hoboken: John Wiley, 2019. xix, 265p.

ISBN : 9781119401438. : Rs.9493.50.

**1. Composite construction 2. Concrete construction 3. Iron and steel building,I. Title

624.012/.014 JOH-C 173956

BU/CE

39. New trends in eco-efficient and recycled concrete / edited by Jorge de Brito and Francisco Agrela. - Duxford: Woodhead Publishing, 2019.

xxii, 610(Woodhead Publishing series in civil and structural engineering).

ISBN : 9780081024805. : Rs.21660.00.

**1. Concrete - Environmental aspects 2. Concrete - Recycling 3. Concrete construction.I. Brito, Jorge, Ed. II. Agrela, Francisco, Ed. III. Title IV. Series

624.012.4 -NEW 173878

BU/CE

40. Chandrasekaran, Srinivasan

Advanced structural analysis with MATLAB® / by Srinivasan Chandrasekaran. - Boca Raton: CRC, 2019. xi,238.

ISBN : 9780367026455. : Rs.9076.80.

**1. Structural analysis (Engineering) - Mathematics 2. MATLAB 3. Numerical analysis - computer programs.I. Title

624.04:681.3.06M CHA-A 174134

BU/CE

41. Aydan, Omer

Rock mechanics and rock engineering / by Omer Aydan. - Boca Raton: CRC Press, 2020. V.1: Fundamentals of rock mechanics (vii, 379p.).

V.2: Applications of rock mechanics - Rock engineering (vii, 383p.).

ISBN : 9780367029357(Set); 9780367421625; 9780367421656. : Rs.11935.03(Set price).

** 1. Rock mechanics 2. Mining engineering.I. Title

624.12 AYD-R **174120 - 174121**

BU/CE

42. Wu, Jonathan T. H.

Geosynthetic reinforced soil (GRS) walls / by Jonathan T. H. Wu. - Hoboken: John Wiley, 2019. xi, 402.

ISBN : 9781119375845. : Rs.9386.00.

** 1. Reinforced soils 2. Geosynthetics 3. Technology 4. Retaining walls.I. Title

624.13 WU-G **173894**

BU/CE

43. Nicholls, Cliff

Asphalt mixture selection / by Cliff Nicholls and Arthur Hannah. - Boca Raton: CRC Press, 2020. xx, 144p.

ISBN : 9781138616820. : Rs.12637.35.

**1. Asphalt emulsion mixtures.I. Hannah, Arthur II. Title

625.85 NIC-A **174004**

BU/CE

44. Hess-Kosa, Kathleen

Indoor air quality: the latest sampling and analytical methods / by Kathleen Hess-Kosa. - 3rd ed. - Boca Raton: CRC Press, 2019. xxiii, 395.

ISBN : 9781138306615. : Rs.11841.25.

**1. Indoor air pollution - Measurement.I. Title

628.88:697 HES-I **174196**

BU/CE

45. Municipal solid waste energy conversion in developing countries: technologies, best practices, challenges and policy / edited by Suani Teixeira Coelho...(et. al). - Amsterdam: Elsevier, 2020.

xvii, 271p.

ISBN : 9780128134191. : Rs.7211.39.

** 1. Waste products as fuel 2. Biomass energy.I. Coelho, Suani Teixeira, Ed. II. Title

662.65 -MUN **173987**

BU/CE

46. Derrible, Sybil

Urban engineering for sustainability / by Sybil Derrible. - Cambridge: MIT Press, 2019.
xxii, 633p.
ISBN : 9780262043441. : Rs.6493.50.

**1. Sustainable development 2. City planning 3. Environmental engineering.I. Title
711.4(1-21) DER-U 174005

COMPUTER SCIENCE & ENGINEERING**BU/CSE**

47. Fischer, Robert J.

Introduction to security / by Robert J. Fischer, Edward P. Halibozeck and David C. Walters. - 10th ed. - Oxford: Elsevier, 2019. xx,566.
ISBN : 9780128053102. : Rs.5772.39.

**1. Industries - Security measures 2. Private security services 3. Violence in the workplace- Prevention 4. Industries- Security measures.I. Halibozeck, Edward P. II. Walters, David C. III. Title
343.852:658 FIS-I 173926

BU/CSE

48. Chen, Bor-Sen

Stochastic game strategies and their applications / by Bor-Sen Chen. - Boca Raton: CRC Press, 2020. ix, 599.
ISBN : 9781138360761. : Rs.13199.01 (Each copy).

** 1. Game theory.I. Title
519.21 CHE-S 173951, 173952;CSE

BU/CSE

49. Maharaj, Elizabeth Ann

Time series clustering and classification / by Elizabeth Ann Maharaj, Pierpaolo D'Urso and Jorge Caiado. - Boca Raton: CRC Press, 2019. xv, 228(Computer science & data analysis series).
ISBN : 9781498773218. : Rs.12927.60 (Each copy).

** 1. Time - series analysis 2. Cluster analysis.I. D'Urso, Pierpaolo II. Caiado, Jorge III. Title IV. Series
519.246.8 MAH-T 173945, 173946;CSE

BU/CSE

50. Yang, Xin-She

Optimization techniques and applications with examples / by Xin-She Yang. - Hoboken: John Wiley, 2018. xxxi,350.
ISBN : 9781119490548. : Rs.9382.39.

**1. Mathematical optimization.I. Title
519.28 YAN - O 173908

BU/CSE

51. Guida, Tony

Big data and machine learning in quantitative investment / by Tony Guida. - Chichester: John Wiley, 2019. vi, 285(Wiley finance series).
ISBN : 9781119522195. : Rs.3607.50 (Each copy).

** 1. Big data 2. Machine learning 3. Investments - Data processing.I. Title II. Series
657.424:681.3 GUI-B 173947, 173948;CSE

BU/CSE

52. Goldreich, Oded

Foundations of cryptography / by Oded Goldreich. - South Asia ed.. - Delhi: Cambridge University Press, 2005. xxii, 373-798p.
V.2: Basic applications.
ISBN : 9780521670418. : Rs.650.00 (Each copy).

**1. Coding theory 2. Cryptography 3. Computer science.I. Title
681.188 GOL-F 174096, 174190;CSE

BU/CSE

53. Data analytics applications in gaming and entertainment / edited by Gunter Wallner. - Boca Raton: CRC Press, 2019.

xxii, 283(Data analytics applications).
ISBN : 9781138104433. : Rs.9473.00 (Each copy).

** 1. Video games industry - Management 2. Computer games industry - Management 3. Data mining.I. Wallner, Gunter, Ed. II. Title III. Series
681.3 -DAT 174044, 174045;CSE

BU/CSE

54. Forsyth, David

Applied machine learning / by David Forsyth. - Cham: Springer, 2019. xxi, 494.
ISBN : 9783030181130. : Rs.8017.20.

**1. Machine learning 2. Mechanical engineering 3. Artificial intelligence 4. Computer science.I. Title
681.3 FOR-A 173923

BU/CSE

55. Goodfellow, Ian

Deep learning / by Ian Goodfellow, Yoshua Bengio and Aaron Courville. - Cambridge: MIT Press, 2016. xxii, 775(Adaptive computation and machine learning).
ISBN : 9780262035613. : Rs.5776.00 (Each copy).

** 1. Machine learning.I. Bengio, Yoshua II. Courville, Aaron III. Title IV. Series
681.3 GOO-D 173900, 173901;CSE

BU/CSE

56. Havill, Jessen

Discovering computer science: interdisciplinary problems, principles, and Python programming / by Jessen Havill. - Boca Raton: CRC Press, 2016. xxv,724(Chapman & Hall/CRC textbooks in computing).

ISBN : 9781482254143. : Rs.6177.32.

**1. Computer science 2. Python (Computer program language).I. Title II. Series

681.3 HAV-D

173995

BU/CSE

57. Jo, Taeho

Text Mining: concepts, implementation, and big data challenge / by Taeho Jo. - Cham: Springer, 2019. xiii, 373(studies in big data, 45).

ISBN : 9783319918143. : Rs.174016.

**1. Big data 2. Data mining 3. Electrical engineering 4. Computational intelligence.I. Title II. Series

681.3 JO-T

174016

BU/CSE

58. Mueller, John Paul

Deep learning for dummies / by John Paul Mueller and Luca Massaron. - Hoboken: John Wiley, 2019. xi, 350p.

ISBN : 9781119543046. : Rs.2165.28; Rs.2184.77.

**1. Machine learning 2. Artificial intelligence.I. Massaron, Luca II. Title

681.3 MUE-D

173899, 174269;CSE

BU/CSE

59. Programming models for parallel computing / edited by Pavan Balaji. - Cambridge: MIT Press, 2015.

xxv, 458p.(Scientific and engineering computation).

ISBN : 9780262528818. : Rs.2146.46.

**1. Parallel processing (Electronic computers) 2. Parallel programs (Computer programs).I. Balaji, Pavan, Ed. II. Title III. Series

681.3 -PRO

173950

BU/CSE

60. Sen, Sandeep,

Design and analysis of algorithms: a contemporary perspective / by Sandeep Sen and Amit Kumar. - Cambridge: Cambridge University Press, 2019. xxvi, 367.

ISBN : 9781108721998. : Rs.695.00 (Each copy).

** 1. Algorithms 2. Mathematics 3. Logic 4. Algebra 5. Geometry.I. Kumar, Amit II. Title

681.3:510.5 SEN-D

174094, 174095;CSE

BU/CSE

61. Le Roux, Brigitte

Combinatorial inference in geometric data analysis / by Brigitte Le Roux, Solène Bienaise and Jean-Luc Durand. - Boca Raton: CRC Press, 2019. xi, 256p.(Chapman & Hall/CRC computer science and data analysis series).

ISBN : 9781498781619. : Rs.8612.12.

** 1. Statistics 2. Geometric analysis 3. Combinatorial analysis.I. Solene Bienaise II. Jean-Luc Durand III. Title IV. Series

681.3:519.147 LE-C 173949

BU/CSE

62. Human-robot interaction: safety, standardization, and benchmarking / edited by Paolo Barattini...(et. al). - Boca Raton: CRC Press, 2019.

xiv, 207p.

ISBN : 9781138626751. : Rs.9483.00.

**1. Human-robot interaction.I. Barattini, Paolo, Ed. II. Title

681.3-52 -HUM 173907

BU/CSE

63. Big data analytics for cyber-physical systems: machine learning for the Internet of things / edited by Guido Dartmann, Houbing Song and Anke Schmeink. - Amsterdam: Elsevier, 2019.

xxii,373.

ISBN : 9780128166376. : Rs.9025.00.

**1. Truthfulness and falsehood 2. Online social networks 3. Big data 4. Narrative discourse analysis,I. Dartmann, Guido, Ed. II. Song, Houbing, Ed. III. Schmeink, Anke, Ed. IV. Title

681.3-7 -BIG 173924

BU/CSE

64. Biometric-based physical and cybersecurity systems / edited by Mohammad S. Obaidt, Issa Traore and Isaac Woungang. - Cham: Springer, 2019.

xviii, 590.

ISBN : 9783319987330. : Rs.13629.80.

**1. Biometric identification 2. Computer security 3. Security systems.I. Obaidat, Mohammad S., Ed. II. Traore, Issa, Ed. III. Woungang, Isaac, Ed. IV. Title

681.3-7 -BIO 173921

BU/CSE

65. Tanner, Nadean H.

Cybersecurity Blue Team Toolkit / by Nadean H. Tanner. - Hoboken: John Wiley, 2019. xxiv, 262.

ISBN : 9781119552932. : Rs.2888.00.

**1. Computer security 2. Internet - Security measures 3. Data protection.I. Title

681.3-7 TAN-C 173898

BU/CSE

66. Peckol, James K.

Embedded systems: a contemporary design tool / by James K. Peckol. - 2nd ed. - Hoboken: John Wiley, 2019. lxi, 1017.
ISBN : 9781119457503. : Rs.9747.00.

**1. Embedded computer systems 2. Object-oriented methods - Computer science.I. Title

681.3.01 PEC-E **173902**

BU/CSE

67. Saha, Suman

Advanced data structures: theory and applications / by Suman Saha and Shailendra Shukla. - Boca Raton: CRC Press, 2020. xxi, 238.
ISBN : 9781138592605. : Rs.12327.90; Rs.12226.50.

**1. Data structures - Computer science 2. Computer - Information Theory.I. Shukla, Shailendra II. Title

681.3.01 SAH-A **173922, 174277;CSE**

BU/CSE

68. LaMeres, Brock J.

Introduction to logic circuits and logic design with VHDL / by Brock J. LaMeres. - 2nd ed. - Cham: Springer, 2019. xvi, 499.
ISBN : 9783030124885. : Rs.5567.70.

**1. Logic circuits 2. VHDL (Computer hardware description language) 3. Logic design 4. Computer science.I. Title

681.3.06V LAM-I **174015**

BU/CSE

69. Introduction to digital systems design / by Giuliano Donzellini... (et. al). - Cham: Springer, 2019.

xxiii, 536.
ISBN : 9783319928036. : Rs.5965.45.

**1. System design 2. Logic design 3. Computer engineering 4. Computer hardware description languages.I. Donzellini, Giuliano II. Title

681.32 -INT **174014**

DESIGN**BU/DE**

70. Sensors in the age of the Internet of things: technologies and applications / edited by Octavian Adrian Postolache, Edward Sazonov and Subhas Chandra Mukhopadhyay. - London: Institution of Engineering and Technology, 2019.

xii, 306(IET international series on sensors)(IET control, robotics and sensors series, 122).
ISBN : 9781785616341. : Rs.10765.15.

**1. Internet -Computer science 2. Internet of things 3. Detectors.I. Postolache, Octavian Adrian, Ed. II. Sazonov, Edward, Ed. III. Mukhopadhyay, Subhas Chandra, Ed. IV. Title V. Series

681.3 -SEN **174003**

HUMANITIES & SOCIAL SCIENCES

BU/HSS

71. Risk: philosophical perspectives / edited by Tim Lewens. - London: Routledge, 2007.
x, 217p.
ISBN : 9780415422840. : Rs.2464.63.

**1. Risk assessment 2. Risk management.I. Lewens, Tim, Ed. II. Title
005.52:005.334 -RIS 173857;HSS

BU/HSS

72. Finlayson, James Gordon
Habermas - Rawls debate / by James Gordon Finlayson. - New York: Columbia University Press, 2019. xi, 294p.
ISBN : 9780231164115. : Rs.2525.25.

**1. Political science - Philosophy.I. Title
141 FIN-H 173993;HSS

BU/HSS

73. Joy, Rimai
Tribal religion: continuity and change among the Tangkhul Naga / by Rimai Joy. - Jaipur: Rawat, 2019. xii, 236.
ISBN : 9788131610633. : Rs.995.00 (Each copy).

** 1. Religion.I. Title
2:57.063.4 JOY-T 174027, 174028;HSS

BU/HSS

74. Sharma, Jyotirmaya
Restatement of religion: Swami Vivekananda and the making of Hindu nationalism / by Jyotirmaya Sharma. - Chennai: Context, 2019. xvi,238.
ISBN : 9789388689441. : Rs.399.00 (Each copy).

**1. Swami vivekananda, 1863-1902 2. Nationalism 3. Hinduism.I. Title
233-355V SHA-R 174187, 174188;HSS

BU/HSS

75. Jackson, Kristi
Qualitative data analysis with NVivo / by Kristi Jackson and Pat Bazeley. - 3rd ed. - London: SAGE, 2019. xxiii, 349.
ISBN : 9781526449948. : Rs.3005.46 (Each copy).

** 1. Social sciences - Data processing 2. Social sciences - Computer simulation.I. Bazeley, Pat II. Title
303.022:681.3.06N JAC-Q 173970, 173971;HSS

BU/HSS

76. Perspectives on social exclusion: essays in honour of Professor Sabyasachi Bhattacharya / edited by Yagati Chinna Rao. - Delhi: Meena Book Publication, 2020.

xxxi, 526p.

ISBN : 9789385957444. : Rs.1995.00.

**1. Social - India Marginality 2. People with social disabilities - Political activity - India.I. Rao, Yagati Chinna, Ed. II. Title

316.42(540) -SOC 174172

BU/HSS

77. Page, Ruth

Narratives online: shared stories in social media / by Ruth Page. - Cambridge: Cambridge University Press, 2018. xiii,229.

ISBN : 9781107139916. : Rs.7956.85.

** 1. Social media 2. Online authorship 3. Storytelling - social aspects.I. Title

316.772.5:81 PAG- N 174030;HSS

BU/HSS

78. Husain, Ishrat

Governing the ungovernable: institutional reforms for democratic governance / by Ishrat Hussain. - Indian edition. - New Delhi: Oxford University Press, 2018. xvii, 550p.

ISBN : 9780199494040. : Rs.850.00.

** 1. Politics and government 2. Pakistan 3. Transparency in government - Pakistan.I. Title

321.7(549.1) HUS-G 174192

BU/HSS

79. Reardon, Jack

Introducing a new economics: pluralist, sustainable and progressive / by Jack Reardon, Maria Alejandra Madi and Molly Scott Cato. - London: Pluto Press, 2018. xx, 364.

ISBN : 9780745334882. : Rs.3743.46.

**1. Economics.I. Madi, Maria Alejandra II. Cato, Molly Scott III. Title

330 REA-I 174033;HSS

BU/HSS

80. Guttman, Robert

Eco-capitalism: carbon money, climate finance, and sustainable development / by Robert Guttman. - Switzerland: Palgrave Macmillan, 2018. v, 321p.

ISBN : 9783319923567. : Rs.7954.20.

**1. Capitalism - environmental aspects 2. Environmental economics 3. Economic policy.I. Title

338.2 GUT-E 173996

BU/HSS

81. Yulek, Murat A.

How nations succeed: manufacturing, trade, industrial policy, and economic development / by Murat A. Yulek. - Singapore: Palgrave Macmillan, 2018. xxvii, 284p. ISBN : 9789811305672. : Rs.8749.70.

**1. Industrial organization 2. Development economics 3. Economic Policy.I. Title

338.45 YUL-H **173997**

BU/HSS

82. Cambridge companion to human rights and literature / edited by Crystal Parikh. - Cambridge: Cambridge university press, 2019.

xxi,247.

ISBN : 9781108722209. : Rs.2058.48.

**1. Human rights in literature 2. Law in literature 3. State, The, in literature.I. Parikh, Crystal, Ed. II. Title

342.7:82 -CAM **174032**

BU/HSS

83. Haraway, Donna J.

Staying with the trouble: making kin in the Chthulucene / by Donna J. Haraway. - durham: Duke University Press, 2016. xv,296(Experimental futures : technological lives, scientific arts, anthropological voices). ISBN : 9780822362241. : Rs.1988.38.

**1. Nature - Effect of human beings on 2. Human ecology 3. Human-animal relationships 4. Human-plant relationships.I. Title II. Series

591.5 HAR-S **174183;HSS**

BU/HSS

84. Tapping the oceans: seawater desalination and the political ecology of water / edited by Joe Williams and Erik Swyngedouw. - Cheltenham: Edward Elgar, 2018.

x, 194p.

ISBN : 9781788113809. : Rs.8139.60.

** 1. Saline water conversion - Environmental aspects 2. Saline water conversion - Political aspects.I. Williams, Joe, Ed. II. Swyngedouw, Erik, Ed. III. Title

628.165:32 -TAP **173891;HSS**

BU/HSS

85. Data-driven storytelling / edited by Nathalie Henry Riche ...(et al.). - Boca Raton: A K Peters/CRC Press, 2018.

xviii, 296p.(A K Peters visualization series).

ISBN : 9781138197107. : Rs.3882.98.

**1. Narration (Rhetoric) 2. Visual communication 3. Storytelling in mass media 4. Digital storytelling.I. Riche, Nathalie Henry, Ed. II. Title III. Series

808:681.3 -DAT **174181;HSS**

BU/HSS

86. Ways of re-thinking literature / edited by Tom Bishop and Donatien Grau. - London: Routledge, 2018.

xii, 224p.

ISBN : 9781138675759. : Rs.2807.36.

**1. Literature - Philosophy 2. Critical theory 3. Creative writing.I. Bishop, Tom, Ed. II. Grau, Donation, Ed. III. Title

82:1 -WAY 174031;HSS

BU/HSS

87. Kohn, Eduardo

How forests think: toward an anthropology beyond the human / by Eduardo Kohn. - California: University of California Press, 2013. xii, 267p.

ISBN : 9780520276116. : Rs.2162.39.

**1. Human - Animal relationships - Amazon river region 2. Human - Plant relationships - Amazon river region 3. Quechua Indians - Social life and customs - Amazon river region 4. Indigenous peoples - Ecology - Amazon River Region 5. Semiotics.I. Title

911.3:30(292.88) KOH-H 174080;HSS

BU/HSS

88. Liedman, Sven-Eric

World to win: the life and works of Karl Marx / by Seven - Eric Liedman; Translated by Jeffrey N. Skinner. - London: Verso, 2019. xii, 756p.

ISBN : 9781786635051.

**1. Karl Marx, , 1818-1883 2. Communists - Biography 3. Communism - History - 19th century.I. Title

929MAR LIE-W 174169;HSS

BU/HSS

89. Darjeeling reconsidered: histories, politics, environments / edited by Townsend Middleton and Sara Shneiderman. - New Delhi: Oxford University Press, 2018.

xviii,316.

ISBN : 9780199483556. : Rs.950.00.

**1. Social movements 2. Sustainable development 3. Tea trade - Employees 4. India - Darjeeling (District) 5. Politics and government.I. Middleton, Townsend, Ed. II. Shneiderman, Sara, Ed. III. Title

954.33 -DAR 174191;HSS

IIT HOSPITAL**BU/IITH**

90. Current medical diagnosis and treatment 2020 / edited by Maxine A. Papadakis, Stephen J. McPhee and Michael W. Rabow. - 59th International ed. - New York: McGraw Hill, 2020.

xv, 1915.

ISBN : 9781260460667. : Rs.3493.16.

** 1. Diagnosis - Medical Science 2. Medical Sciences.I. Papadakis, Maxine A., Ed. II. McPhee, Stephen J., Ed. III. Rabow, Michael W., Ed. IV. Title

616-071 -CUR 174260;IITH

INDUSTRIAL TRIBOLOGY, MACHINE DYNAMICS MAINT. ENGG. CENTRE

BU/ITMMEC

91. Chudnovsky, Bella H.

Lubrication of electrical and mechanical components in electric power equipment / by Bella H. Chudnovsky. - Boca Raton: CRC Press, 2019. xiii, 152p.
ISBN : 9780367197452. : Rs.4727.50.

**1. Lubrication and lubricants 2. Lubricants Electric power-plants - Equipment and supplies - Electric power-plants - Equipment and supplies - Maintenance and repair 3. Electric machinery - Maintenance and repair.I. Title
621.313 CHU-L 174143;ITMMEC

MANAGEMENT STUDIES

BU/MS

92. Miller, Michael B.

Quantitative financial risk management / by Michael B. Miller. - Hoboken: John Wiley, 2019. ix,305(Wiley finance.).
ISBN : 9781119522201. : Rs.6175.25.

** 1. Financial risk management 2. Risk assessment 3. Risk management.I. Title II. Series
005.52:005.334 MIL-Q 174165

BU/MS

93. Social development and the sustainable development goals in South Asia / edited by Nitya Mohan Khemka and Suraj Kumar. - New York: Routledge, 2020.
xxix, 219(Routledge research on Asian development).
ISBN : 9781138490475. : Rs.11491.20 (Each copy).

**1. South Asian cooperation 2. Sustainable development 3. South Asia 4. Social conditions.I. Khemka, Nitya Mohan, Ed. II. Kumar, Suraj, Ed. III. Title IV. Series
316.42(5-13) -SOC 173910, 173911;MS

BU/MS

94. Banerjee, Arpita

Development disparities in India: an enquiry into convergence / by Arpita Banerjee and Pravat Kumar Kuri. - New Delhi: Springer, 2015. xix, 153(India studies in business and economics).
ISBN : 9788132223306. : Rs.6814.49 (Each copy).

** 1. Economic development - India 2. Development economics - India 3. Economics - India 4. India.I. Kuri, Pravat Kumar II. Title III. Series
330.34(540) BAN-D 173903, 173904;MS

BU/MS

95. Aoyama, Yuko

Rise of the hybrid domain: collaborative governance for social innovation / by Yuko Aoyama and Balaji Parthasarathy. - Cheltenham: Edward elgar, 2016. xiv,232.
ISBN : 9781785360428. : Rs.7956.85.

** 1. Public - private sector cooperation 2. Public administration.I. Parthasarathy, Balaji II. Title
331.872 AOY-R 173954

BU/MS

96. Regional development and public policy challenges in India / edited by Rakhee Bhattacharya.
- New Delhi: Springer, 2015.
xxv, 331(India studies in business and economics).
ISBN : 9788132234623. : Rs.8017.20 (Each copy).

**1. Regional economics 2. Economic development 3. Regional planning 4. Economic policy 5. India.I. Bhattacharya, Rakhee, Ed. II. Title III. Series
332.14(540) -REG 173905, 173906;MS

BU/MS

97. Poveda, Cesar A.
Sustainability assessment: a rating system framework for best practices. / by Cesar A. Poveda. - Bingley: Emerald, 2017. xli, 459.
ISBN : 9781787434820. : Rs.7861.64 (Each copy).

** 1. Sustainable development 2. Environmental impact analysis 3. Environmental management - Evaluation.I. Title
658:502/504 POV-S 174065, 174066;MS

BU/MS

98. Information systems theory: explaining and predicting our digital society, Vol. 1 / edited by Yogesh K. Dwivedi, Michael R. Wade and Scott L. Schneberger. - New York: Springer, 2012.
xxvi, 501(Integrated series in information systems, 28).
ISBN : 9781441961075. : Rs.13724.99.

**1. Management information systems 2. Information technology 3. Information storage and retrieval systems 4. Information theory.I. Dwivedi, Yogesh K., Ed. II. Wade, Michael R., Ed. III. Schneberger, Scott L., Ed. IV. Title V. Series
658:681.3 -INF 173890

MATERIAL SCIENCE AND ENGINEERING**BU/MSE**

99. Janot, Christian
Quasicrystals: a primer / by Christian Janot. - 2nd ed. - Oxford: Oxford University Press, 2012. xvii, 409p.(Monographs on the physics and chemistry of materials).
ISBN : 9780199657407. : Rs.5429.38.

**1. Quasicrystals 2. Crystals.I. Title II. Series
548 JAN-Q 173953

BU/MSE

100. Li, Heng
Deformation-based processing of materials: behavior, performance, modeling and control / by Heng Li and Mingwang Fu. - Amsterdam: Elsevier, 2019. xiv, 336.
ISBN : 9780128143810. : Rs.14530.00.

**1. Deformations - Mechanics.I. Fu, Mingwang II. Title
620.17 LI-D 174158

BU/MSE

101. Pandey, R. K.,

Fundamentals of electroceramics: materials, devices, and applications / by R. K. Pandey. - Hoboken: John Wiley, 2019. xvi, 282.
ISBN : 9781119057345. : Rs.10893.87.

**1. Electronic ceramics 2. Elektrokeraamik.I. Title
621.315.612 PAN-F 174140

MATHEMATICS**BU/MA**

102. Nair, M.Thamban

Calculus of one variable: for science and engineering students / by M.Thamban Nair. - New Delhi: Ane Books, 2016. xiii, 303.
ISBN : 9789383656950. : Rs.495.00.

** 1. Mathematics 2. Calculus.I. Title
517.51 NAI-C 174078

BU/MA

103. Dudley, Richard M.

Real analysis and probability / by Richard M. Dudley. - Special Indian ed.. - Boca Raton: CRC Press, 2020. xi, 436p.
ISBN : 9780367412265. : Rs.6495.00.

**1. Probability 2. Stochastic Processes.I. Title
517.51:519.21 DUD-R 174043;TB

BU/MA

104. Kocay, William L.

Graphs, algorithms, and optimization / by William L. Kocay and Donald L. Kreher. - 2nd Special Indian ed.. - Boca Raton: CRC Press, 2020. xix, 545p.(Discrete mathematics and its applications).
ISBN : 9780367372545. : Rs.4395.00.

**1. Graph 2. Algorithms 3. Optimization.I. Kreher, Donald L. II. Title III. Series
519.17 KOC-G 174042;TB

BU/MA

105. Advances in time series analysis and forecasting: selected contributions from ITISE 2016 / edited by Ignacio Rojas, Hector Pomares and Olga Valenzuela. - Switzerland: Springer, 2017. xv,414(Contributions to statistics.).
ISBN : 9783319557885. : Rs.11706.49.

**1. Time - series analysis 2. Prediction theory 3. Mathematical statistics 4. Probabilities.I. Rojas, Ignacio, Ed. II. Pomares, Hector, Ed. III. Valenzuela, Olga, Ed. IV. Title V. Series
519.246.8 -ADV 173875

BU/MA

106. Gilli, Manfred

Numerical methods and optimization in finance / by Manfred Gilli, Dietmar Maringer and Enrico Schumann. - 2nd ed. - London: Elsevier, 2019. xxiv, 614.

ISBN : 9780128150658. : Rs.10897.50.

**1. Financial engineering 2. Finance - Mathematical models 3. Mathematical optimization.I. Maringer, Dietmar II. Schumann, Enrico III. Title

519.86:681.3.06M GIL-N 174166

BU/MA

107. Miranville, Alain

Cahn-hilliard equation: recent advances and applications / by Alain Miranville. - Philadelphia: SIAM, 2019. xiv, 216P.

ISBN : 9781611975918. : Rs.4981.80.

** 1. Mathematical physics 2. Phase transformations (Statistical physics) 3. Fluid dynamics 4. Liquid - Liquid interfaces.I. Title

532.5 MIR-C 173856

MECHANICAL ENGINEERING**BU/ME**

108. Handbook of automotive human factors / edited by Motoyuki Akamatsu. - Boca Raton: CRC Press, 2019.

xx, 337p.

ISBN : 9780367203573. : Rs.13199.01.

** 1. Automobile driving - Human factors - Handbooks, manuals, etc. 2. Automobile driving - Physiological aspects - Handbooks, manuals, etc. 3. Automobiles - Design and construction -Handbooks, manuals, etc. 4. Human engineering - Handbooks, manuals, etc.I. Akamatsu, Motoyuki, Ed. II. Title

RL-HB 628.8.02(021) -HAN 173989

BU/ME

109. Substructuring in engineering dynamics: emerging numerical and experimental techniques / by Matthew S. Allen ... (et al.). - Switzerland: Springer, 2020.

x,277(CISM International Centre for Mechanical Sciences.; Courses and lectures, 594).

ISBN : 9783030255312. : Rs.11877.71.

**1. Dynamics and vibration 2. Mechanics - Solids 3. Mechanics, Applied.I. Allen, Matthew S. II. Title III. Series

531.3 -SUB 174154

BU/ME

110. Miles, Ronald N.

Physical approach to engineering acoustics / by Ronald N. Miles. - Switzerland: Springer, 2020. xix, 380p.(Mechanical engineering series).

ISBN : 9783030226756. : Rs.5965.45.

**1. Acoustical engineering 2. Acoustical metamaterials 3. Signal processing.I. Title II. Series

534 MIL-P 173990

BU/ME

111. Faghri, Amir

Fundamentals of multiphase heat transfer and flow / by Amir Faghri and Yuwen Zhang. - Cham: Springer, 2020. xxxi, 820p.

ISBN : 9783030221362. : Rs.10340.71; Rs.10544.79.

** 1. Multiphase flow 2. Transport theory 3. Phase transformations - Statistical physics.I. Zhang, Yuwen II. Title

536.24 FAG-F

174001, 174307;ME

BU/ME

112. Modeling and simulation of tribological problems in technology / edited by Marco Paggi and David Hills. - Switzerland: Springer, 2020.

vii,330(CISM International Centre for Mechanical Sciences.; Course and lectures,593).

ISBN : 9783030203764. : Rs.11877.71.

**1. Applied Mechanics 2. Contact mechanics.I. Paggi, Marco, Ed. II. Hills, David, Ed. III. Title IV. Series

539.3:51 -MOD

174155

BU/ME

113. Singular configurations of mechanisms and manipulators / edited by Andreas Muller and Dimiter Zlatanov. - Switzerland: Springer, 2019.

ix,229(CISM international centre for mechanical sciences, courses and lectures, 589).

ISBN : 9783030052188. : Rs.10340.70.

**1. Singularities (Mathematics) 2. Kinematics 3. Mechanical engineering.I. Muller, Andreas, Ed. II. Dimiter, Zlatanov, Ed. III. Title IV. Series

62-236.58 -SIN

173991

BU/ME

114. Chudnovsky, Bella H.

Lubrication of electrical and mechanical components in electric power equipment / by Bella H. Chudnovsky. - Boca Raton: CRC Press, 2019. xiii, 152.

ISBN : 9780367197452. : Rs.4727.50.

**1. Lubrication and lubricants 2. Electric machinery - Maintenance and repair 3. Electric power-plants - Equipment and supplies - Maintenance and repair.I. Title

621.313 CHU-L

174153

BU/ME

115. Taler, Dawid

Numerical modelling and experimental testing of heat exchangers / by Dawid Taler. - Cham: Springer, 2019. xviii, 588(Studies in systems, decision and control, 161).

ISBN : 9783319911274. : Rs.13461.51.

**1. Heat - Transmission - Mathematical models 2. Heat exchangers - Mathematical models.I. Title II. Series

621.4:519.6 TAL-N

174156

BU/ME

116. Bhattacharyya, Bijoy

Modern machining technology: advanced, hybrid, micro machining and super finishing technology / by Bijoy Bhattacharyya and Biswanath Doloi. - London: Elsevier, 2020. xvi, 763.

ISBN : 9780128128947. : Rs.14440.00 (Each copy).

** 1. Machine - tools 2. Machining.I. Title

621.7 BHA-M 174063, 174064;ME

BU/ME

117. Zohdi, Tarek I.

Modeling and simulation of functionalized materials for additive manufacturing and 3D printing: continuous and discrete media: continuum and discrete element methods / by Tarek I. Zohdi. - Cham: Springer, 2018. xix, 298p.(Lecture notes in applied and computational mechanics, 60).

ISBN : 9783319700779. : Rs.11931.70.

**1. Three-dimensional printing 2. Materials - Computer simulation 3. Manufacturing processes - Computer simulation 4. Manufacturing industries.I. Title II. Series

621.7:681.3 ZOH-M 174013

BU/ME

118. Hori, Yukio

Hydrodynamic lubrication / By Yukio Hori. - Hicom: Springer, 2006. xii, 231.

ISBN : 9784431278986. : Rs.9663.73.

**1. Lubrication and lubricants 2. Hydrodynamics 3. Hydraulic engineering 4. Fluid mechanics.I. Title

621.89 HOR-H 174006

BU/ME

119. Rothwell, Alan

Optimization methods in structural design / by Alan Rothwell. - Switzerland: Springer, 2017. xvi,314(Solid mechanics and its applications, 242).

ISBN : 9783319551968. : Rs.7158.70.

**1. Mathematical optimization 2. Structural design 3. Structural optimization.I. Title II. Series

624.04:519.863 ROT-O 174012;ME

BU/ME

120. Curtis, Howard D.

Orbital mechanics for engineering students / by Howard D. Curtis. - 4th ed. - Oxford: Elsevier, 2020. xv,763(Elsevier aerospace engineering series.).

ISBN : 9780081021330. : Rs.7261.37.

**1. Orbital mechanics 2. Astrodynamics.I. Title II. Series

629.78 CUR-O 174157

BU/ME

121. Mallick, P.K.

Processing of polymer matrix composites / by P.K. Mallick. - Boca Raton: CRC Press, 2018. xiv, 341.

ISBN : 9781466578227. : Rs.10533.60.

**1. Polymeric composites 2. Polymer.I. Title

678.02 MAL-P 173943;ME

BU/ME

122. Mallick, P.K.

Processing of polymer matrix composites / by P.K. Mallick. - Boca Raton: CRC Press, 2018. xiv,341.

ISBN : 9781466578227. : Rs.10905.45.

**1. Polymeric composites.I. Title

678.02 MAL-P 173930

BU/ME

123. González Aguirre, David Israel

Visual perception for humanoid robots: environmental recognition and localization, from sensor signals to reliable 6d poses / by David Israel Gonzalez Aguirre. - Switzerland: Springer, 2019. xxxvi, 220p.(Cognitive systems monographs, 38).

ISBN : 9783319978390. : Rs.11136.21.

** 1. Robot vision 2. Robots - Control systems 3. Autonomous robots 4. Artificial intelligence 5. Computer vision 6. Computational intelligence.I. Title II. Series

681.3-52 GON-V 173999

BU/ME

124. Gibson, Ian

Additive manufacturing technologies: 3D printing, rapid prototyping and direct digital manufacturing / by Ian Gibson, David Rosen and Brent Stucker. - 2nd ed. - New York: Springer, 2015. xxi,498.

ISBN : 9781493921126. : Rs.5946.36.

**1. Manufacturing processes - Automation 2. Production control - Automation 3. CAD/CAM systems 4. Engineering design.I. Rosen, David II. Stucker, Brent III. Title

681.62.063:531 GIB-A 174000

PHYSICS**BU/PH**

125. Arutyunov, Gleb

Elements of classical and quantum integrable systems / by Gleb Arutyunov. - Switzerland: Springer, 2019. xiii,414(UNITEXT for physics).

ISBN : 9783030241971. : Rs.6363.20.

**1. Integral equations 2. Statistical physics 3. Differentiable dynamical systems.I. Title II. Series

530.145 ARU-E 173982

BU/PH

126. Ebeling, Werner

Lectures on quantum statistics: with applications to dilute gases and plasmas / by Werner Ebeling and Thorsten Poschel. - Switzerland: Springer, 2019. x,271(Lecture notes in physics, 953).

ISBN : 9783030057336. : Rs3976.70.

**1. Quantum statistics 2. Statistical physics.I. Poschel, Thorsten II. Title III. Series

530.145 EBE-L

173984

BU/PH

127. Melnikov, Ilarion

Introduction to two-dimensional quantum field theory with (0,2) supersymmetry / by Ilarion V. Melnikov. - Switzerland: Springer, 2019. xv,482(Lecture notes in physics, 951).

ISBN : 9783030050832. : Rs.4772.20.

**1. Quantum field theory 2. Supersymmetry 3. Mathematical applications in the physical sciences.I. Title II. Series

530.145 MEL-I

173983

BU/PH

128. Binetruy, Pierre

Gravity: the quest for gravitational waves / by Pierre Binetruy. - Oxford: Oxford University Press, 2018. ix, 245.

ISBN : 9780198796510. : Rs.995.00 (Each copy).

**1. Gravitational waves 2. Gravity 3. Gravitation.I. Title

531.5 BIN-G

173858, 173859;PH

BU/PH

129. Chang, William S. C.

Principles of optics for engineers: diffraction and modal analysis / by William S. C. Chang. - Cambridge: Cambridge University Press, 2015. xi, 228.

ISBN : 9781107074903. : Rs.7680.28 (Each copy).

**1. Diffraction 2. Modal analysis 3. Optical engineering.I. Title

535:62 CHA-P

173860, 173861;PH

BU/PH

130. Agrawal, Govind P.

Nonlinear fiber optics / by Govind P. Agrawal. - 6th ed. - London: Elsevier, 2019. xx,707.

ISBN : 9780128170427. : Rs.9444.50.

**1. Nonlinear optics 2. Fiber optics 3. Optical fibers.I. Title

535.3 AGR-N

174141

BU/PH

131. Parson, William W.

Modern optical spectroscopy: with exercise and examples from biophysics and biochemistry / by William W. Parson. - 2nd ed. - Heidelberg: Springer, 2015. xvi,572.

ISBN : 9783662500217. : Rs.6683.00.

**1. Optical spectroscopy 2. Biochemistry 3. Quantum optics 4. Biophysics.I. Title

543.42 PAR-M

173985

BU/PH

132. Nanoscale devices: physics, modeling, and their application / edited by Brajesh Kumar Kaushik. - Boca Raton: CRC Press, 2019.
xix, 432p.
ISBN : 9781138060340. : Rs.12637.35; Rs.12764.25.

** 1. Nanotechnology 2. Nanoelectromechanical systems 3. Nanoelectronics.I. Kaushik, Brajesh Kumar, Ed. II. Title

620.3 -NAN **174007, 174298;PH**

BU/PH

133. Characterisation and control of defects in semiconductors / edited by Filip Tuomisto. - London: Institute of Engineering and Technology, 2019.
xvi, 578(IET Materials, circuits and devices series, 45).
ISBN : 9781785616556. : Rs.12169.30 (Each copy).

**1. Semiconductors - Analysis 2. Semiconductors - Defects 3. Semiconductors - Materials 4. Silicon.I. Tuomisto, Filip, Ed. II. Title III. Series

621.315.59 -CHA **173957, 173958;PH**

BU/PH

134. Electrochemical power sources: fundamentals, systems and applications: Li-battery safety / edited by Jurgen Garche and Klaus Brandt. - Amsterdam: Elsevier, 2019.
xxvii, 641p.
ISBN : 9780444637772. : Rs.14790.75.

I. Garche, Jurgen, Ed. II. Brandt, Klaus, Ed. III. Title

621.35 -ELE **174002**

BU/PH

135. Rechargeable batteries: materials, technologies and new trends / edited by Zhengcheng Zhang and Sheng Shui Zhang. - Cham: Springer, 2015.
ix, 712(Green energy and technology).
ISBN : 9783319154572. : Rs. 13381.11.

**1. Storage batteries 2. Systems engineering 3. Electronic circuits 4. Energy storage.I. Zhang, Zhengcheng, Ed. II. Zhang, Sheng Shui, Ed. III. Title IV. Series

621.35 -REC **174008**

BU/PH

136. Spintronic 2D materials: fundamentals and application / edited by Wenqing Liu and Yongbing Xu. - Amsterdam: Elsevier, 2020.
xiii,306.
ISBN : 9780081021545. : Rs.16955.25.

** 1. Spintronics 2. 2D materials.I. Liu, Wenqing, Ed. II. Xu, Yongbing, Ed. III. Title

621.382 -SPI **173994**

SCHOOL OF BIOLOGICAL SCIENCES

BU/SBS

137. Gilbert, Scott F.

Developmental biology / by Scott F. Gilbert and Michael J. F. Barresi. - 11th international ed. - New York: Oxford University Press, 2018. v.p.

ISBN : 9781605357386. : Rs.5650.00.

**1. Embryology 2. Developmental biology.I. Barresi, Michael J. F. II. Title

57.017.6 GIL-D

173914

BU/SBS

138. Hartl, Daniel L.

Genetics: analysis of genes and genomes / by Daniel L. Hartl and Bruce J. Cochrane. - 9th ed. - Burlington: Jones & Bartlett, 2019. xxxi, 829.

ISBN : 9781284122930. : Rs.6511.50.

**1. Genetics 2. Genomics.I. Cochrane, Bruce J. II. Title

575 HAR-G

173915

BU/SBS

139. Primrose, Sandy B.

Principles of gene manipulation and genomics / by S.B. Primrose and R.M. Twyman. - 7th ed. - New Delhi: Wiley India, 2014. xxii, 644,AA:52p.

ISBN : 9788126548392. : Rs.2975.00.

** 1. Genetic engineering 2. Gene mapping 3. Genomics 4. Nucleotide sequence.I. Twyman, R. M. II. Title

575.111 PRI-P

173920

BU/SBS

140. Krebs, Jocelyn E.

Lewin's GENES XII / by Jocelyn E. Krebs, Elliott S. Goldstein and Stephen T. Kilpatrick. - 12th ed. - Burlington: Jones & Bartlett Learning, 2018. xxv, 837.

ISBN : 9781284104493. : Rs.7596.75.

**1. Genetics 2. Genes.I. Goldstein, Elliott S. II. Kilpatrick, Stephen T. III. Title

575.113 KRE-L

173916;TB

BU/SBS

141. Cooper, Geoffrey M.

Cell: a molecular approach / by Geoffrey M. Cooper. - 8th International ed. - New York: Oxford University Press, 2019. xxvi,742.

ISBN : 9781605358635. : Rs.7000.00.

**1. Molecular biology 2. Cytology 3. Cells.I. Title

576.3 COO-C

173913

SCHOOL OF PUBLIC POLICY

BU/SPP

142. Handbook on science and public policy / edited by Dagmar Simon... (et. al). - Glos: Edward Elgar, 2019.

xvii, 565(Handbooks of research on public policy).

ISBN : 9781784715939. : Rs.17069.40.

**1. Science and state - Handbooks, Manuals etc. 2. Social policy - Handbooks, Manuals etc.I. Simon, Dagmar, Ed. II. Title III. Series

RL-HB 35.073.1:001(021) -HAN 173889

SENSORS, INST. & CYBER-PHYSICAL ENGG.

BU/SENSE

143. Mertz, Jerome

Introduction to optical microscopy / by Jerome Mertz. - 2nd ed. - Cambridge: Cambridge University University Press, 2019. xviii,455.

ISBN : 9781108428309. : Rs.7019.81.

**1. Microscopy.I. Title

57.086.2 MER-I

173992

TEXTILE TECHNOLOGY

BU/TT

144. Advanced characterization and testing of textiles / edited by Patricia Dolez, Olivier Vermeersch and Valerio Izquierdo. - Duxford: Elsevier, 2018.

xiv, 460p.(Textile Institute book series).

ISBN : 9780081004531. : Rs.19133.00.

** 1. Textile fabrics 2. Textile fibers - Testing.I. Dolez, Patricia, Ed. II. Vermeersch, Olivier, Ed. III. Izquierdo, Valerio, Ed. IV. Title V. Series

677.014 -ADV

173886

BU/TT

145. Vankar, Padma Shree

New trends in natural dyes for textiles / by Padma Shree Vankar and Dhara Shukla. - Duxford: Woodhead Publishing, 2019. xi,357(Textile Institute book series).

ISBN : 9780081026861. : Rs.15523.00.

**1. Dyes and dyeing - Textile fibers.I. Shukla, Dhara II. Title III. Series

677.027 VAN-N

173874

BU/TT

146. Handbook of properties of textile and technical fibres / edited by Anthony R. Bunsell. - 2nd ed. - Duxford: Elsevier, 2018.

xv, 1033(The textile institute book series).

ISBN : 9780081012727. : Rs.23465.00.

**1. Textile fibers - Mechanical properties - Handbooks, Manuals etc. 2. Textile fibers - Synthetic - Mechanical properties - Handbooks, Manuals etc. 3. Technology and Engineering - Handbooks, Manuals etc.I. Bunsell, Anthony R., Ed. II. Title III. Series

RL-HB 677.1/.5(021) -HAN

173887